

**ANTI-PLASMODIUM COMPOSITIONS  
AND METHODS OF USE**

**Abstract of the Invention**

5                   Compositions that inhibit the binding of *Plasmodium*  
                  *falciparum* to erythrocytes include a family of erythrocyte  
                  binding proteins (EBPs). The EBPs are paralogues of the *P.*  
                  *falciparum* binding protein EBA-175. The present invention  
10               includes peptides of the paralogues that prevent the binding of  
                  *P. falciparum*. Antibodies specific for each paralogue that also  
                  prevent the binding of *P. falciparum* are also included.  
                  Methods of the invention utilize the paralogues, antibodies  
                  thereof and peptide compositions for the diagnosis, prevention,  
15               and treatment of *P. falciparum* diseases such as malaria, as well  
                  as methods for the detection of *P. falciparum* in biological  
                  samples and culture media.

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